

## **Anomalous heat capacity for nematic MBBA near clearing point**

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### **Abstract**

The pretransition properties of the heat capacity on the both sides of the nematic - isotropic phase transition for the liquid crystal MBBA (n-methoxybenzylidene-n -butylaniline) are discussed on the basis of the Landau-de Gennes theory. Agreement between theory and experiment allows to obtain the critical exponents  $\gamma$  and  $\beta$ .

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